

LIST OF U.S. CUSTOMS LABORATORY METHODS

USCL NUMBER	METHOD	TITLE
74-01	ASTM E 55	<u>Practice for Sampling Wrought Nonferrous Metals and Alloys for Determination of Chemical Composition</u>
74-02	ASTM E 88	<u>Practice for Sampling Nonferrous Metals and Alloys in Cast Form for Determination of Chemical Composition</u>
74-03	ASTM E 478	<u>Test Methods for Chemical Analysis of Copper Alloys</u>
74-04	ASTM E 53	<u>Test Methods for Chemical Analysis of Copper</u>
74-05	ASTM E 106	<u>Test Methods for Chemical Analysis of Copper-Beryllium Alloys</u>
74-06	USCL Manual	<u>Recommended Guidelines of Qualitative and Quantitative Analysis of Metals and Alloys</u>
74-07	USCL Manual	<u>Recommended Specifications for Use in the Analysis of Metal Products</u>

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USCL METHOD 74-01

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ASTM E 55

Practice for Sampling Wrought Nonferrous Metals and Alloys for Determination of Chemical Composition

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

This practice covers the sampling, for the determination of chemical composition, of nonferrous metals and alloys that have been reduced to their final form by mechanical working. This is one of the practices that can be used in the sampling of wrought nonferrous metals and alloys which are provided for in the Chapters 74 to 81 of the Harmonized Tariff Schedule of United States (HTSUS).

2 REFERENCES

ASTM E 55

Practice for Sampling Wrought
Nonferrous Metals and Alloys for
Determination of Chemical
Composition

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ASTM E 88 **Practice for Sampling Nonferrous Metals and Alloys** **in Cast Form** **for Determination of Chemical Composition**

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

This practice covers the sampling, for the determination of chemical composition, of nonferrous metals and alloys that have been reduced to their final form by mechanical working. This is one of the practices that can be used in the sampling of wrought nonferrous metals and alloys which are provided for in the Chapters 74 to 81 of the Harmonized Tariff Schedule of United States (HTSUS).

2 REFERENCES

ASTM E 88

Practice for Sampling Nonferrous Metals and Alloys in Cast Form for Determination of Chemical Composition

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ASTM E 478 Test Methods for Chemical Analysis of Copper Alloys

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

These methods cover the chemical analysis of copper alloys. These are among the methods that can be used to determine the composition of copper alloys provided for in Chapter 74 of the Harmonized Tariff Schedule of the United States (HTSUS).

2 REFERENCES

ASTM E 478

Test Methods for Chemical Analysis of Copper Alloys

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ASTM E 53 Test Methods for Chemical Analysis of Copper

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

These methods cover the chemical analysis of copper having a minimum purity of 99.75%. These are among the methods that can be used to determine composition refined copper provided for in Chapter 74 of the Harmonized Tariff Schedule of the United States (HTSUS).

2 REFERENCES

ASTM E 53

Test Methods for Chemical Analysis of Copper

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ASTM E 106 Test Methods for Chemical Analysis of Copper-Beryllium Alloys

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

These methods cover procedures for the chemical analysis of copper-beryllium alloys. These are among the methods that can be used to determine the composition of beryllium copper master alloy provided for in Chapter 74 of the Harmonized Tariff Schedule of the United States (HTSUS).

2 REFERENCES

ASTM E 106

Test Methods for Chemical Analysis of Copper-Beryllium Alloys

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Recommended Guidelines for Qualitative and Quantitative Analysis of Metals and Alloys

SAFETY PRECAUTION

This method does not purport to address all the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

1 SCOPE AND FIELD OF APPLICATION

The following list of references contains procedures which should be proved useful in the qualitative and quantitative analysis of metals and alloys of Chapters 72-83 HTSUS. This list is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

Copper by Gravimetric Analysis of Copper-Beryllium Alloys, in ***Standard Methods of Chemical Analysis***, Vol. 1, 6th ed.
N.H. Furman, editor
Van Nostrand, New York, 1963

Nickel by Gravimetric, Titrimetric and Colorimetric Methods, in ***Standard Methods of Chemical Analysis***, Vol.

1, 6th ed.
N.H. Furman, editor
Van Nostrand, New York, 1963

Zinc by Gravimetric and Titrimetric Methods, in ***Standard Methods of Chemical Analysis***, Vol. 1, 6th ed.
N.H. Furman, editor
Van Nostrand, New York, 1963

Tin by Gravimetric, Titrimetric and Colorimetric Methods, ***Standard Methods of Chemical Analysis***, Vol. 1, 6th ed.
N.H. Furman, editor
Van Nostrand, New York, 1963

Tungsten by Gravimetric, Titrimetric and Colorimetric Methods, in ***Standard Methods of Chemical Analysis***, Vol. 1, 6th ed.
N.H. Furman, editor
Van Nostrand, New York, 1963

Vanadium by Gravimetric, Titrimetric and Colorimetric Methods, in ***Standard Methods of Chemical Analysis***, Vol. 1, 6th ed.
N.H. Furman, editor
Van Nostrand, New York, 1963

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Recommended Specifications for Use in the Analysis of Metal Products

SAFETY PRECAUTION

This method does not purport to address all the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

1 SCOPE AND FIELD OF APPLICATION

The following list of references contains specifications which should prove useful in the analysis of metal products of Chapters 72-83 HTSUS. This list is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

ASTM A 53

Specifications for Pipe, Steel,
Black and Hot-Dipped,
Zinc-Coated Welded and
Seamless

API 5L, 5LU,, 5A, 5AC, 5AX

Specifications for Line Pipe,
Casing, Tubing and Drill Pipe

ASTM A 178

Specification for Electric-

Resistance-Welded Carbon
Steel Boiler Tubes

ASTM A 179

Specification for Seamless
Cold-Drawn Low-Carbon Steel
Boiler and Superheater Tubes
for High Pressure

ASTM A 226

Specification for Electric-Resistance-
Welded Carbon Steel Boiler and
Superheater Tubes for High
Pressure

ASTM B 498

Specifications for Zinc-Coated
(Galvanized) Steel Core Wire
for Aluminum Conductors, Steel
Reinforced (ACSR)

ASTM F 593

Specifications for Stainless
Steel Bolts, Hex Cap Screws,
and Studs

ASTM A 563

Specifications for Carbon and
Alloy Steel Nuts

ASTM A 125

Specifications for Steel Springs,
Helical Heat Treat